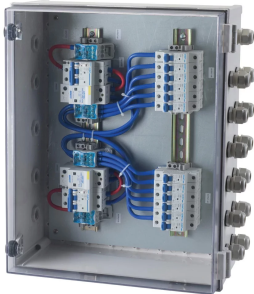


# Telecom Surge Protector



## FEATURES

Cost effective surge solution for telecom base stations, protecting circuits at the point of entry

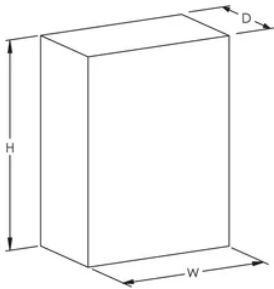
Environmentally robust enclosure for use in harsh conditions

## SPECIFICATIONS

| Catalog Number                             | TSP48V12W                          |
|--------------------------------------------|------------------------------------|
| Nominal System Voltage (Un)                | 0 - 48 VDC                         |
| Max Continuous Operating Voltage (Uc)      | 65 VAC<br>65 VDC                   |
| Nominal Discharge Current (In)             | 20kA 8/20 $\mu$ s                  |
| Max Discharge Current (Imax)               | 40kA 8/20 $\mu$ s                  |
| Voltage Protection Level (Up), + to -      | 280 V @ 3 kA                       |
| Voltage Protection Level (Up), + to - @ In | 600V                               |
| Short Circuit Current Rating (SCCR)        | 25kA                               |
| Frequency                                  | 0 - 60 Hz                          |
| Protection Modes                           | Common<br>Differential             |
| Remote Contacts                            | Yes                                |
| Status Indication                          | Mechanical flag<br>Remote Contacts |
| Technology                                 | MOV with thermal disconnect        |

| Catalog Number       | TSP48V12W                                        |
|----------------------|--------------------------------------------------|
| Connection, Stranded | 16 mm <sup>2</sup> Max                           |
| Temperature          | -40 to 80 °C                                     |
| Enclosure Material   | Acrylonitrile Butadiene Styrene<br>Polycarbonate |
| Enclosure Rating     | IP 66                                            |
| Mounting             | Wall mount                                       |
| Depth (D)            | 210mm                                            |
| Height (H)           | 520 mm                                           |
| Width (W)            | 400 mm                                           |
| Unit Weight          | 10.5 kg                                          |

## DIAGRAMS



## WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.nvent.com](http://www.nvent.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

#### North America

+1.800.753.9221

Option 1 – Customer Care

Option 2 – Technical

Support

#### Europe

Netherlands:

+31 800-0200135

France:

+33 800 901 793

#### Europe

Germany:

800 1890272

Other Countries:

+31 13 5835404

#### APAC

Shanghai:

+ 86 21 2412 1618/19

Sydney:

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